CLAIMS

What is claimed is:

1. A wireless communication device which provides communication capability for a personal data assistant, the device comprising:

a housing;

a modem within the housing, where the modem provides communication capability for the wireless communication device; and

logic in the housing adapted to check for communications.

2. A wireless communication device as recited in Claim 1, the device further comprising:

an interface board which provides connectivity between the modem and the personal data assistant.

3. A wireless communication device as recited in Claim 2, wherein the communications is electronic mail.

4. A wireless communication device as recited in Claim 1, wherein the personal data assistant is a hand-held data organizer.

5. A wireless communication device as recited in Claim 1, the device further comprising:

a battery for providing power to the wireless communication device.

6. A wireless communication device as recited in Claim 2, the device further comprising:

a connector board for providing electrical connectivity between the modem and the interface board.

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7. A wireless communication device as recited in Claim 6, wherein the connector board provides mechanical offset between the modem and the interface board.

8. A wireless communication device as recited in Claim 7, wherein the mechanical offset allows the modem and the interface board to fit compactly within the wireless communication device.

9. A wireless communication device as recited in Claim 5, the device further comprising:

a LED light, where the LED light indicates the charge of the battery.

10. A wireless communication device as recited in Claim 1, the device further comprising:

a LED light, where the LED light indicates if the modem has received data.

11. A wireless communication device as recited in Claim 1, the device further comprising:

a LED light, where the LED light indicates if the modem has transmitted data.

12. A wireless communication device as recited in Claim 1, the device further comprising:

a LED light, where the LED light indicates if the modem is registered.

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13. A wireless communication device as recited in Claim 1, the device further comprising:

a LED light, where the LED light flashes to indicate a server has communications.

14. A wireless communication device as recited in Claim 1, wherein the modem is a cellular digital packet data (CDPD) modem.

15. A wireless communication device as recited in Claim 1, wherein the logic is a mini microchip.

16. A wireless communication device as recited in Claim 1, wherein the logic periodically checks for message notifications.

17. A wireless communication device as recited in Claim 16, wherein the message notifications indicates that a server has communications for a user.

18. A wireless communication device as recited in Claim 17, wherein the logic periodically checks for message notifications while the modem is not in use.

19. A wireless communication device as recited in Claim 1, wherein the housing provides a compact configuration for the wireless communication device.

20. A wireless communication device as recited in Claim 1, wherein the logic is a field programmable gate array (FPGA).

21. A wireless communication device as recited in Claim 1, wherein the logic is an application specific integrated circuit (ASIC).

22. A wireless communication device as recited in Claim 1, wherein the logic is a processor.

23. A wireless communication device as recited in Claim 1, wherein the logic is programmable logic.

24. A wireless communication device as recited in Claim 17, wherein the logic periodically checks for message notifications while the modem is in a powered down state.

25. A wireless communication device as recited in Claim 1, the device further comprising:

a detachable antenna coupled with the wireless communication device, where the detachable antenna may be detached when the wireless communication device is not in use.

26. A handheld communication device which provides wireless communication capability for a personal data assistant, the device comprising:

a modem for providing wireless communication for the personal data assistant;

logic in communication with the handheld communication device, where the logic checks for message notifications; and

an indicator which is activated when the logic determines that the modem has received communications.

27. A handheld communication device as recited in Claim 26, the device further comprising:

an interface board for connectivity between the handheld communication device and the personal data assistant.

28. A handheld communication device as recited in Claim 27, the device further comprising:

a housing which encloses the interface board, the modem and the logic, where the housing provides a compact configuration for the handheld communication device.

29. A handheld communication device as recited in Claim 28, the device further comprising:

a connector board which provides mechanical offset between the interface board and the modem such that interface board and the modem fit compactly within the housing of the handheld communication device.

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30. A handheld communication device as recited in Claim 26, wherein the personal data assistant is a handheld data organizer.

31. A handheld communication device as recited in Claim 26, wherein the indicator is activated while the personal data assistant is running another application.

32. A handheld communication device as recited in Claim 26, wherein the logic checks for communications received by the modem while the personal data assistant is running another application.

33. A handheld communication device as recited in Claim 26, wherein the indicator is an LED.

34. A handheld communication device as recited in Claim 26, the device further comprising:

a detachable antenna attached to the handheld communication device.

35. A handheld communication device as recited in Claim 26, wherein the message notifications indicate when a user receives communications.

36. A communication device for providing wireless communication for a personal data assistant, the device comprising:

a modem for receiving communications;

an interface in communication with the personal data assistant where the interface provides connectivity between both the communication device and the personal data assistant; and

logic in communication with the communication device, where the logic checks if communications have been received.

37. A communication device as recited in Claim 36, the device further comprising:

a housing having a compact configuration enclosing the modem, the interface and the logic, where the compact configuration of the housing provides a compact configuration for the communication device.

38. A communication device as recited in Claim 36, wherein the logic periodically checks for received communications while a user of the personal data assistant is running another application.

39. A communication device as recited in Claim 36, wherein the personal data assistant is a handheld data organizer.

40. A communication device as recited in Claim 36, wherein the logic is a mini microchip.

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41. A communication device as recited in Claim 37, wherein the logic activates an indicator if communications have been received.

42. A communication device as recited in Claim 41, wherein the indicator is a LED.

43. A communication device as recited in Claim 36, wherein the logic is a field programmable gate array (FPGA).

44. A communication device as recited in Claim 36, wherein the logic is programmable logic.

45. A communication device as recited in Claim 36, wherein the logic is an application specific integrated circuit (ASIC).

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46. A communication device as recited in Claim 36, the device further comprising:

a detachable antenna attached to the communication device.